

Belchertown_Risk_6_5_2009.txt

Belchertown, MA Black Rot - Grape From 2009-05-24 To 2009-06-05

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
05/24	69.6	46.3	9.5	0.88	
05/25	59.5	27.3	7.8	1.39	Infection Risk
05/26	44.5	27.5		0.00	
05/27	54.1	42.3	10.3	0.54	
05/28	50.5	46.7	13.0	1.06	Infection Risk
05/29	66.2	46.8	10.0	1.84	Infection Risk
05/30	61.2	43.6	8.8	2.57	Infection Risk
05/31	58.5	25.3	1.8	0.12	
06/01	47.3	26.3		0.00	
06/02	61.1	45.1	5.5	0.25	
06/03	53.0	45.2	7.0	0.29	
06/04	57.5	45.7	10.0	0.69	
06/05	55.0	49.4	8.3	0.53	

Belchertown, MA Botrytis - Grape From 2009-05-24 To 2009-06-05

Date	High Temp	Low Temp	Wet Hours	RH>95 Hours	Daily Risk	Warning
05/24	69.6	46.3	10.8		0.00	
05/25	59.5	27.3	7.8		0.00	
05/26	44.5	27.5	0.5		0.00	
05/27	54.1	42.3	21.0		1.70	High Infection Risk
05/28	50.5	46.7	21.0		1.70	High Infection Risk
05/29	66.2	46.8	16.5		1.06	High Infection Risk
05/30	61.2	43.6	8.8		0.00	
05/31	58.5	25.3	7.5		0.00	
06/01	47.3	26.3			0.00	
06/02	61.1	45.1	5.5		0.00	
06/03	53.0	45.2	7.0		0.00	
06/04	57.5	45.7	10.0		0.00	
06/05	55.0	49.4	8.3		0.00	

Belchertown, MA Downy Mildew - Grape From 2009-05-24 To 2009-06-05

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	Hours>95%RH 43-86	66-77	Risk	Warning
05/24	69.6	0.0	0.14	10.8	0.0	0.0	0	Primary Infection
05/25	59.5	121.0		7.8	0.0	0.0	0	
05/26	44.5	124.4		0.5	0.0	0.0	0	
05/27	54.1	>min	0.29	19.5	0.0	0.0	0	
05/28	50.5	>min	0.02	21.0	0.0	0.0	0	
05/29	66.2	>min	0.21	16.5	0.0	0.0	0	
05/30	61.2	>min	0.13	8.8	0.0	0.0	0	
05/31	58.5	>min	0.01	7.5	0.0	0.0	0	
06/01	47.3	>min			0.0	0.0	0	
06/02	61.1	>min		5.5	0.0	0.0	0	
06/03	53.0	>min		7.0	0.0	0.0	0	
06/04	57.5	>min		10.0	0.0	0.0	0	
06/05	55.0	>min		8.3	0.0	0.0	0	

Belchertown, MA Powdery Mildew - Grape From 2009-05-24 To 2009-06-05

Date	Temperature High	Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
05/24	69.6	58.1	0.0	0.0	10.0		

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05/25	59.5	46.4	0.0	0.0	7.8	Heavy
05/26	44.5	36.5	0.0	0.0	0.5	
05/27	54.1	48.7	0.0	0.0	21.0	
05/28	50.5	48.5	0.0	0.0	20.3	Heavy
05/29	66.2	54.9	0.0	0.0	16.3	Heavy
05/30	61.2	53.5	0.0	0.0	8.8	Heavy
05/31	58.5	44.7	0.0	0.0	7.0	
06/01	47.3	37.7	0.0	0.0	0.0	
06/02	61.1	51.9	0.0	0.0	5.0	
06/03	53.0	49.6	0.0	0.0	6.8	
06/04	57.5	51.4	0.0	0.0	10.0	
06/05	55.0	51.2	0.0	0.0	7.8	

Leaf Wetness Sensor Parameters:

Base Temperature 0.0
 Upper Temperature 100.0
 Wetness Threshold 6.0

Belchertown, MA Phomopsis Cane+Leaf Spot - Grape From 2009-05-24 To 2009-06-05

Date	Temp Mean	Wet Hours	Rain-Fall	Wet+Rain	Wet Temp	Di sease Catawba	Intensi ty Seyval
05/24	58.1	11.8	0.14	5.5	53.7	14 Li ght	25 Li ght
05/25	46.4	8.5	0.00	0.0	0.0	0	0
05/26	36.5	0.5	0.00	0.0	0.0	0	0
05/27	48.7	21.5	0.29	9.8	45.0	6 Li ght	11 Li ght
05/28	48.5	24.0	0.02	12.3	48.6	22 Li ght	32 Moderate
05/29	54.9	24.0	0.21	36.3	52.7	185 Hi gh	166 Hi gh
05/30	53.5	16.3	0.13	51.8	53.9	343 Hi gh	266 Hi gh
05/31	44.7	9.3	0.01	1.3	56.0	2 Li ght	6 Li ght
06/01	37.7	0.0	0.00	0.0	0.0	0	0
06/02	51.9	9.3	0.00	0.0	0.0	0	0
06/03	49.6	9.0	0.00	0.0	0.0	0	0
06/04	51.4	11.3	0.00	0.0	0.0	0	0
06/05	51.2	8.5	0.00	0.0	0.0	0	0

Leaf Wetness Sensor Parameters:

Base Temperature 41.0
 Upper Temperature 95.9
 Wetness Threshold 3.0

Wet+Rain is the number of rain-initiated leaf wetness hours
 Wet Temp is the mean temperature during the rain-initiated wetness period
 Di sease Intensi ty projects the estimated lesions per leaf